

SECURITY CAMERA FOR A NETWORK

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Publication date: 2003-11-11

Inventor(s):

Applicant(s):

Classification:

- **international:** **G06F15/00; H04L12/24; H04L12/26; H04L12/56; H04L29/06; G06F15/00; H04L12/24; H04L12/26; H04L12/56; H04L29/06;**
(IPC1-7): G06F15/00; H04L12/56

- **European:** H04L12/24C1; H04L12/24D1; H04L12/24F3; H04L12/26M;
H04L29/06S14A1; H04L29/06S14A2; H04L29/06S14D2

Application number: JP20010585059T 20010512

Priority number(s): US20000203652P 20000512; WO2001US15601 20010512

Also published as:

 WO0188731 (A1)
 SG143052 (A1)
 ES2313959 (T3)
 EP2018018 (A2)
 EP2018018 (A3)

[more >>](#)

Abstract not available for JP 2003533925 (T)

Abstract of corresponding document: **WO 0188731 (A1)**

A method for processing data from a communication line. Data is received from the communication line (802) and segregated into packets (803). Packets are selected based on a respective characteristic (804) and the selected packets are provided to one of a plurality of data processing units.



Data supplied from the **espacenet** database — Worldwide

(19) 日本国特許庁 (J P)

(12) 公表特許公報 (A)

(11) 特許出願公表番号
特表2003-533925
(P2003-533925A)

(43) 公表日 平成15年11月11日 (2003. 11. 11)

(51) Int.Cl. ⁷	識別記号	F I	テーマコード* (参考)
H 0 4 L 12/56	4 0 0	H 0 4 L 12/56	4 0 0 Z 5 B 0 8 5
G 0 6 F 15/00	3 2 0	G 0 6 F 15/00	3 2 0 K 5 K 0 3 0

審査請求 未請求 予備審査請求 有 (全 96 頁)

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(86) (22) 出願日 平成13年5月12日 (2001. 5. 12)
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(86) 国際出願番号 PCT/US 0 1 / 1 5 6 0 1
(87) 国際公開番号 WO 0 1 / 0 8 8 7 3 1
(87) 国際公開日 平成13年11月22日 (2001. 11. 22)
(31) 優先権主張番号 6 0 / 2 0 3 , 6 5 2
(32) 優先日 平成12年5月12日 (2000. 5. 12)
(33) 優先権主張国 米国 (US)

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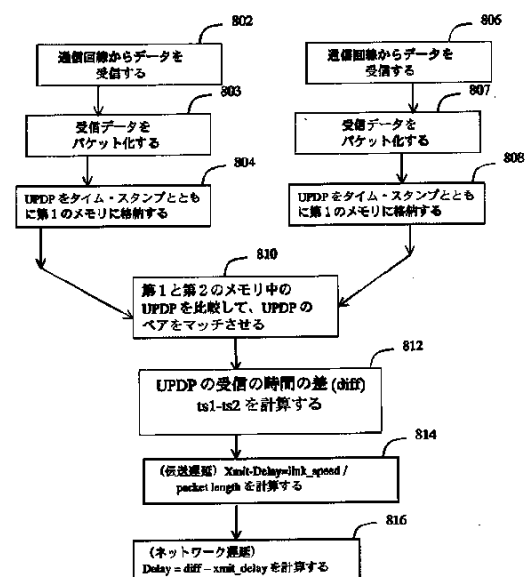
最終頁に続く

(54) 【発明の名称】 ネットワーク用のセキュリティ・カメラ

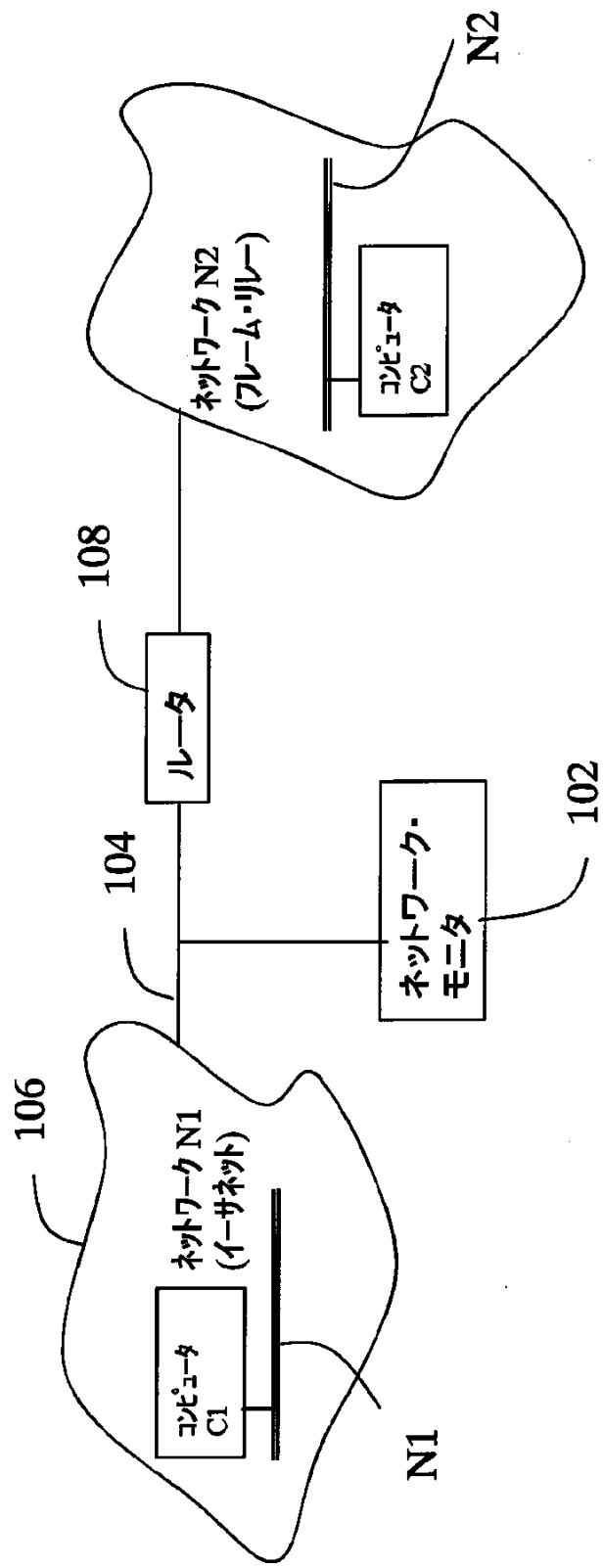
(57) 【要約】

【目的】 通信回線からのデータを処理する。

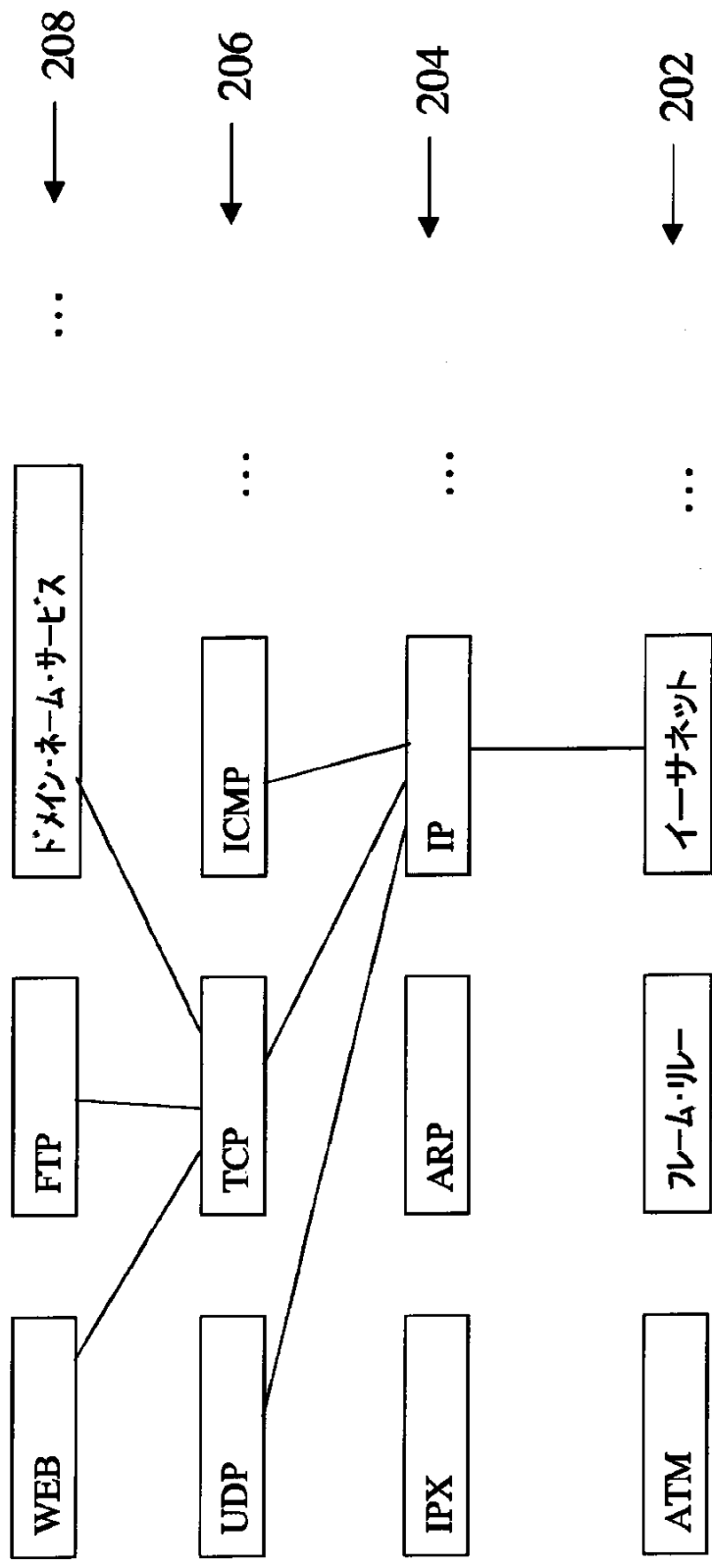
【構成】 通信回線からのデータを処理するための方法であって、データは通信回線から受信され、パケットに分離される。パケットは各特性に基づいて選択され、選択されたパケットは複数のデータ処理ユニットの1つに供給される。

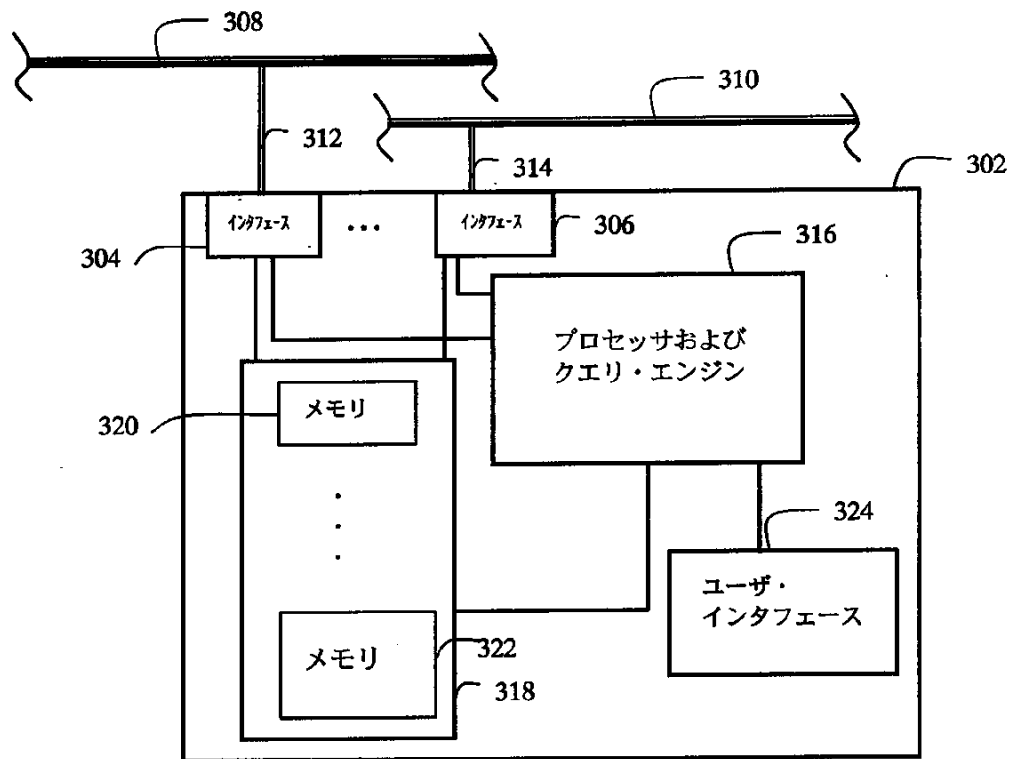


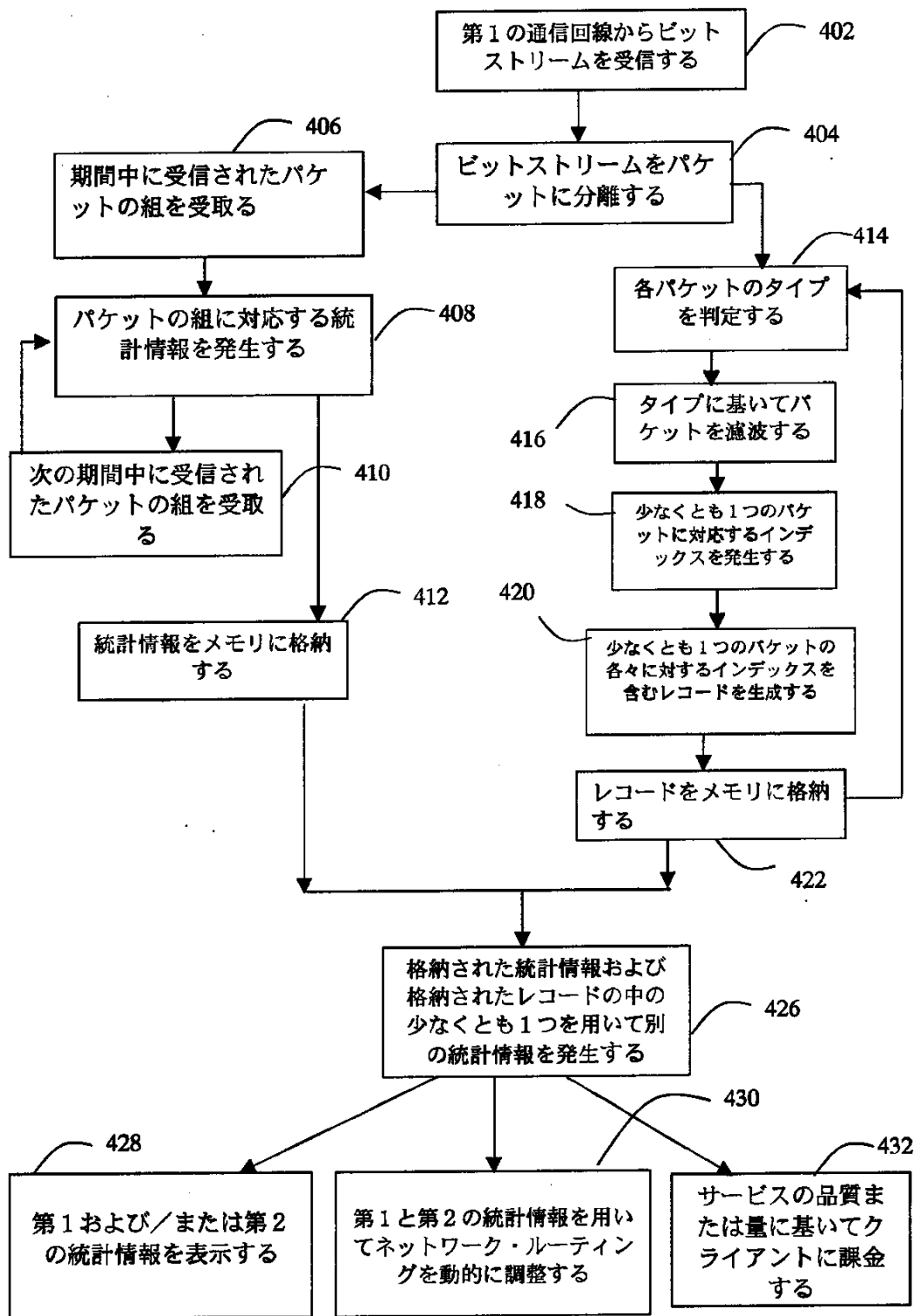
F 1 : インデックス (受信時間)	F 2 : パケットまたはパケットの一部
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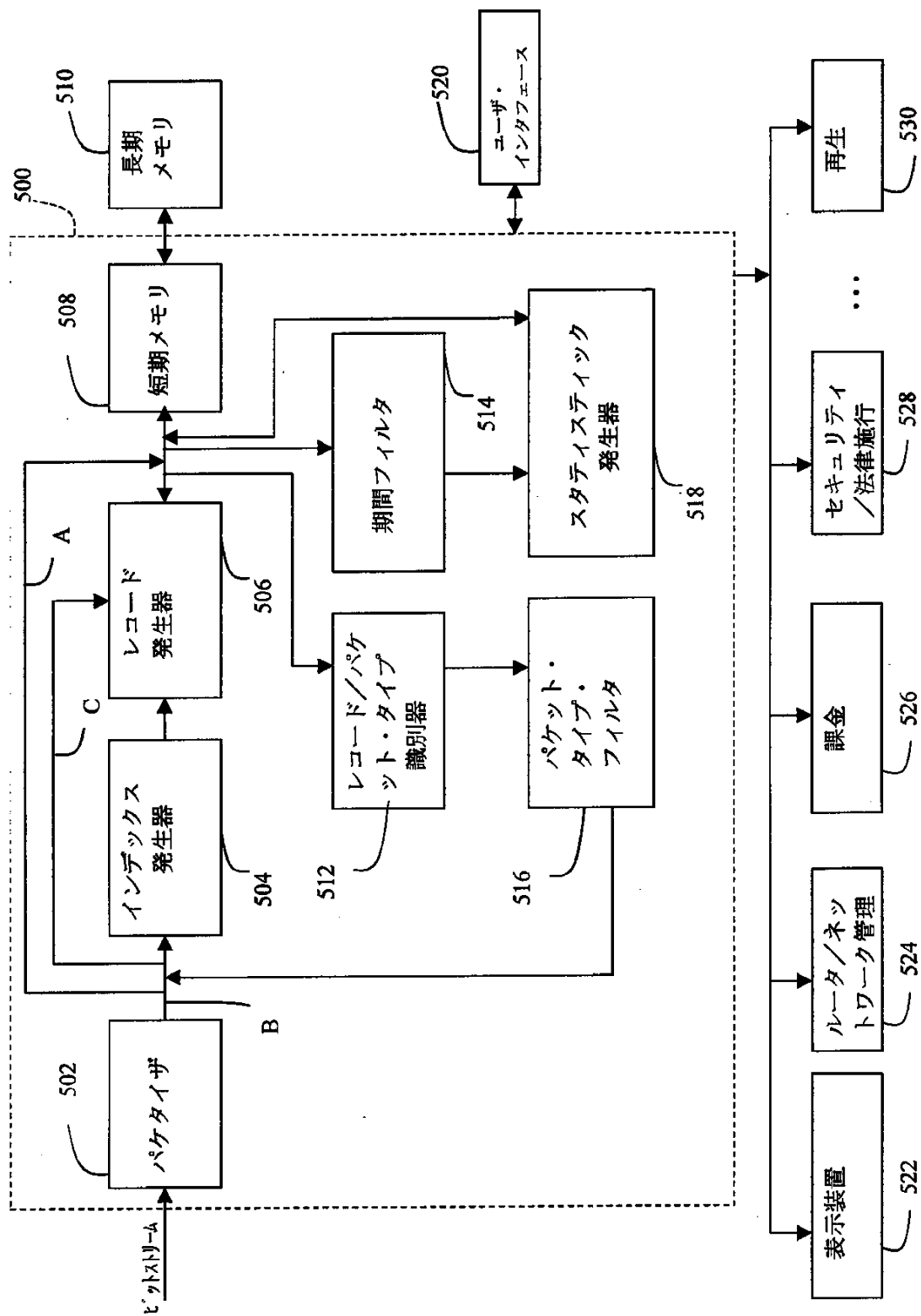


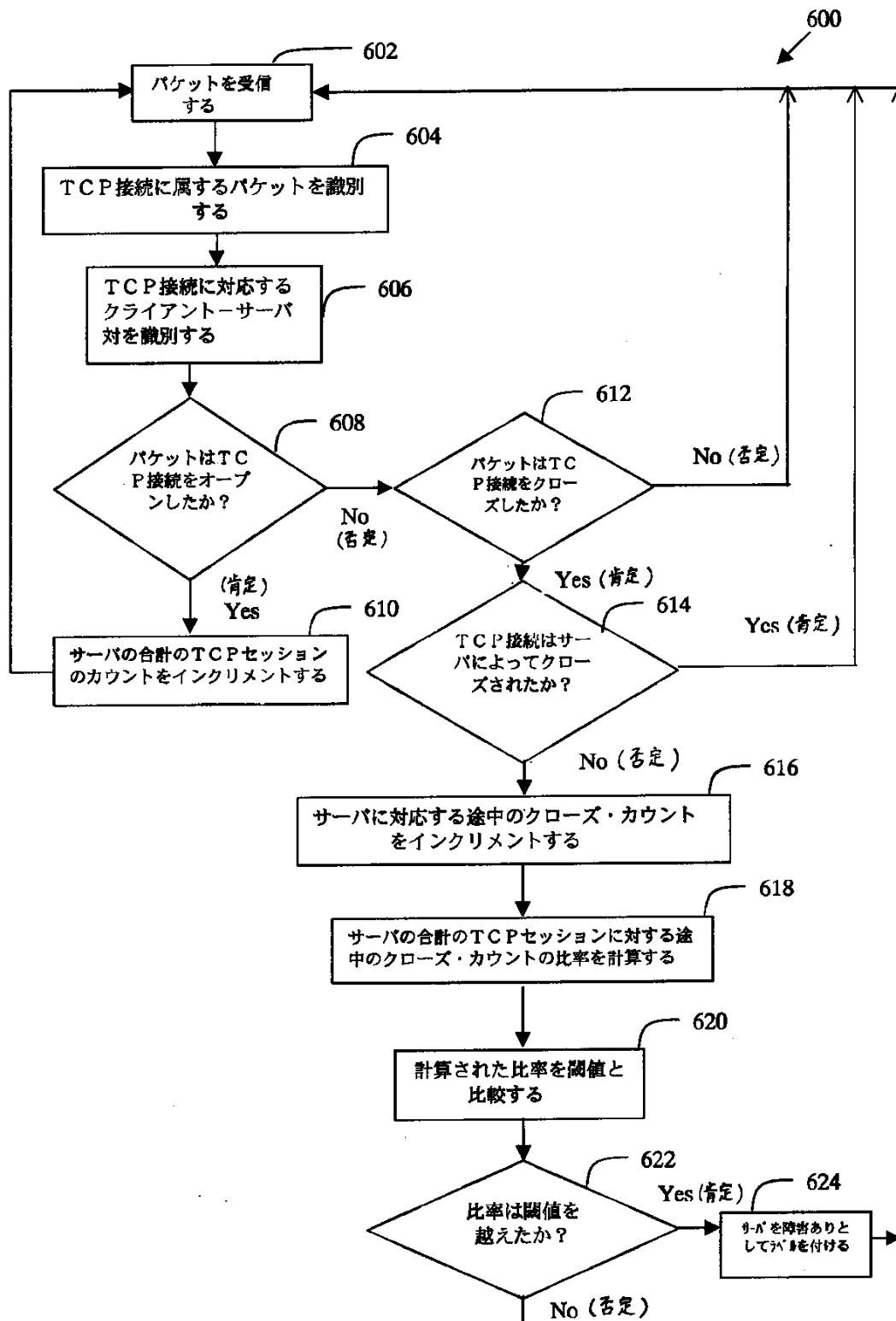
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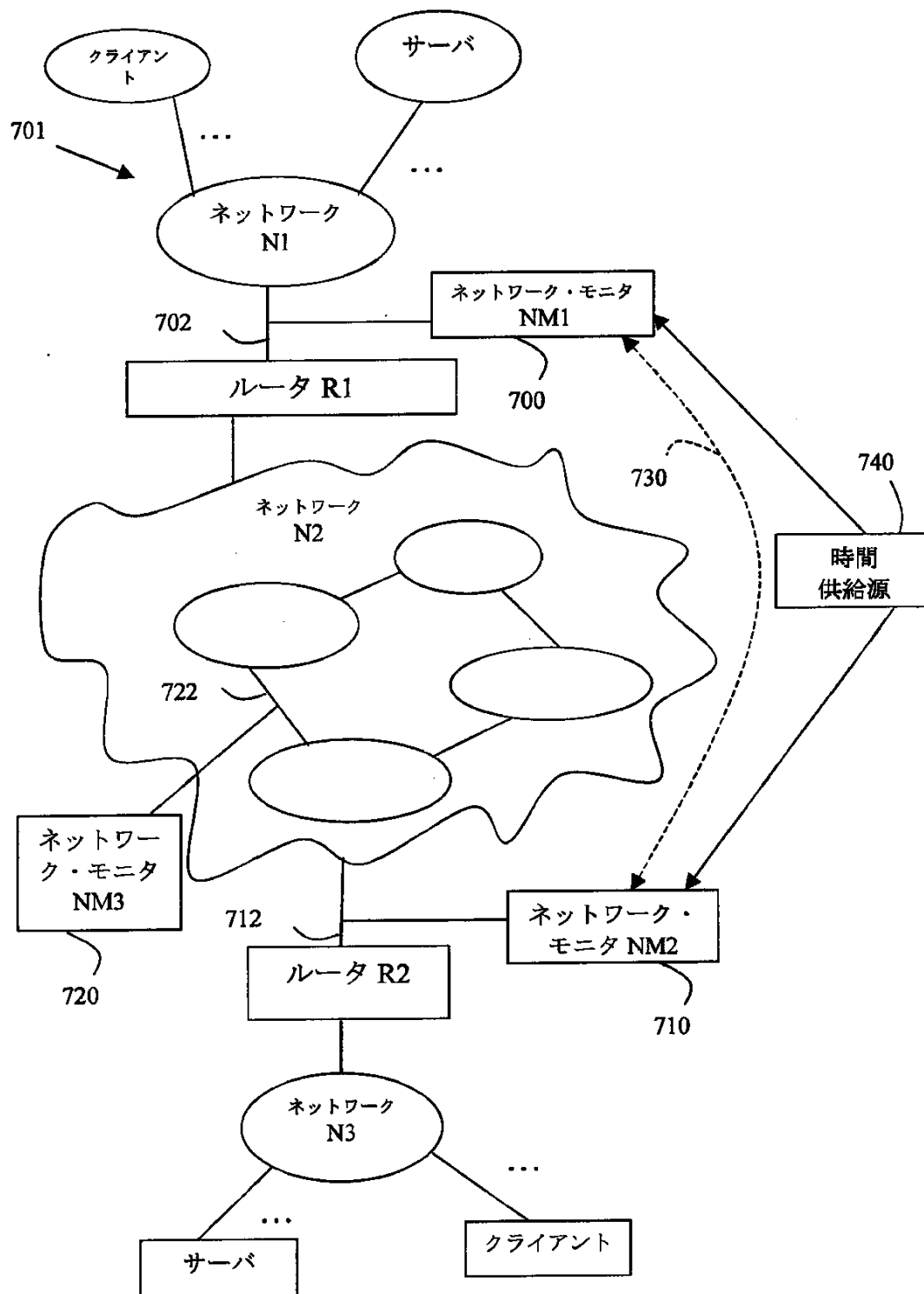


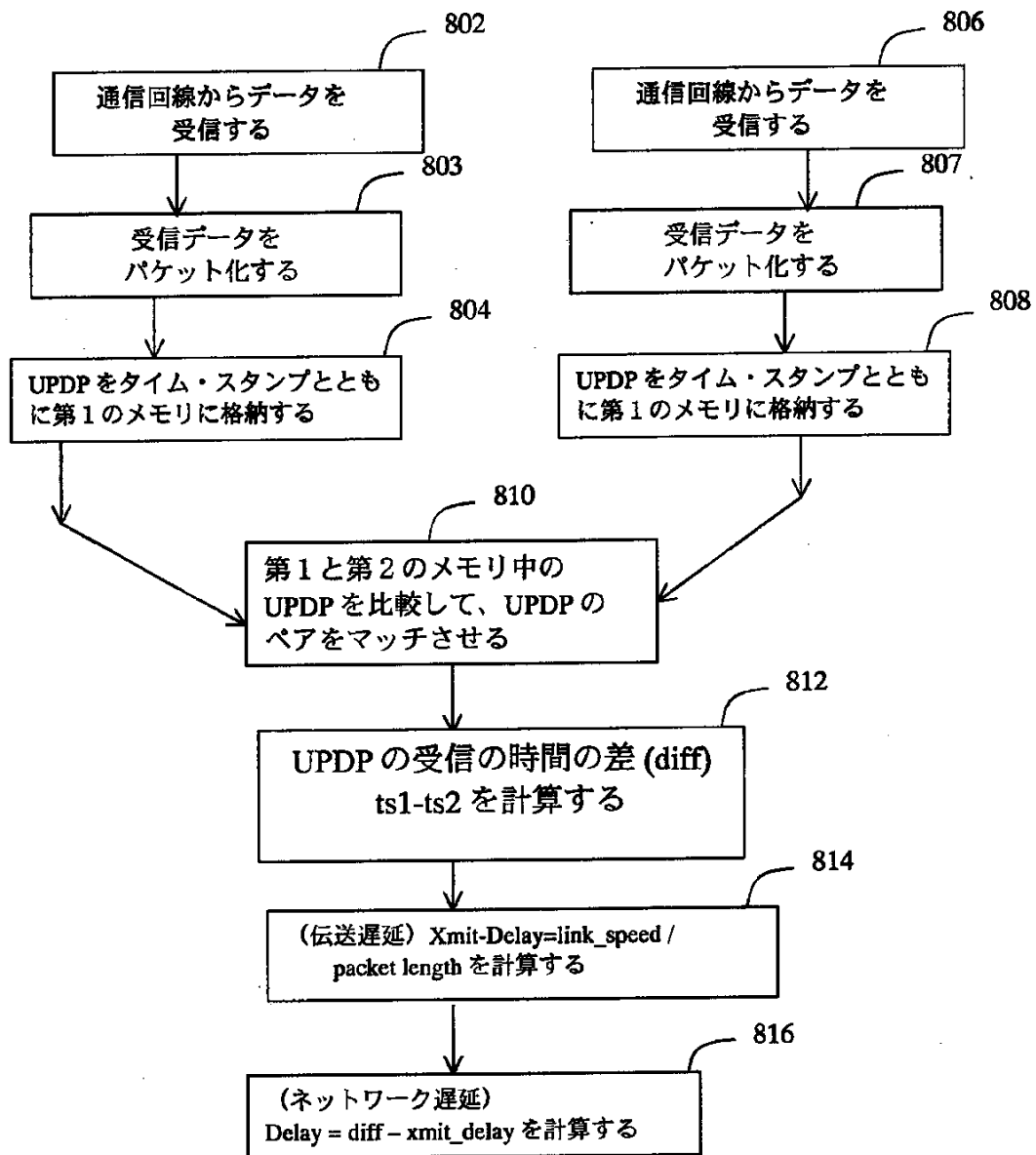


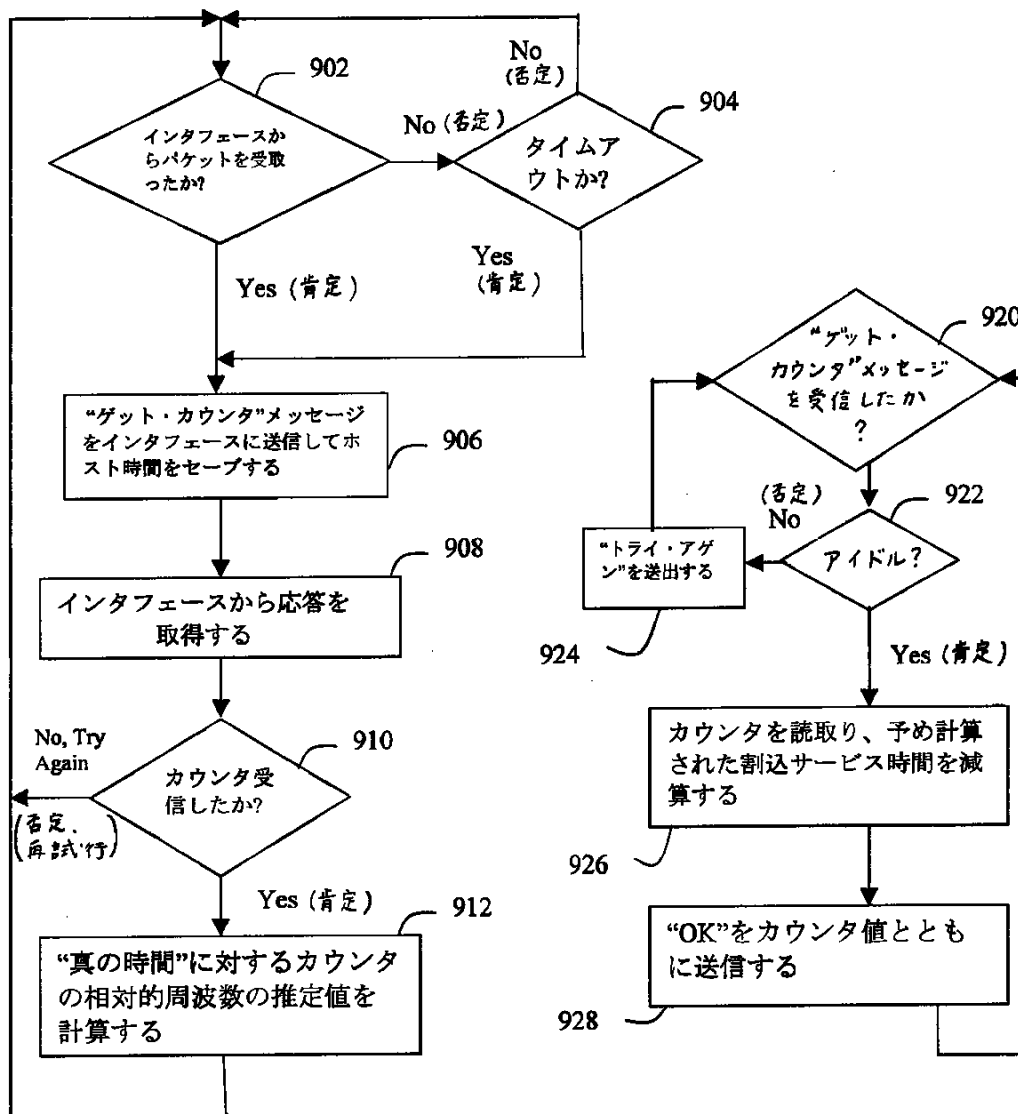






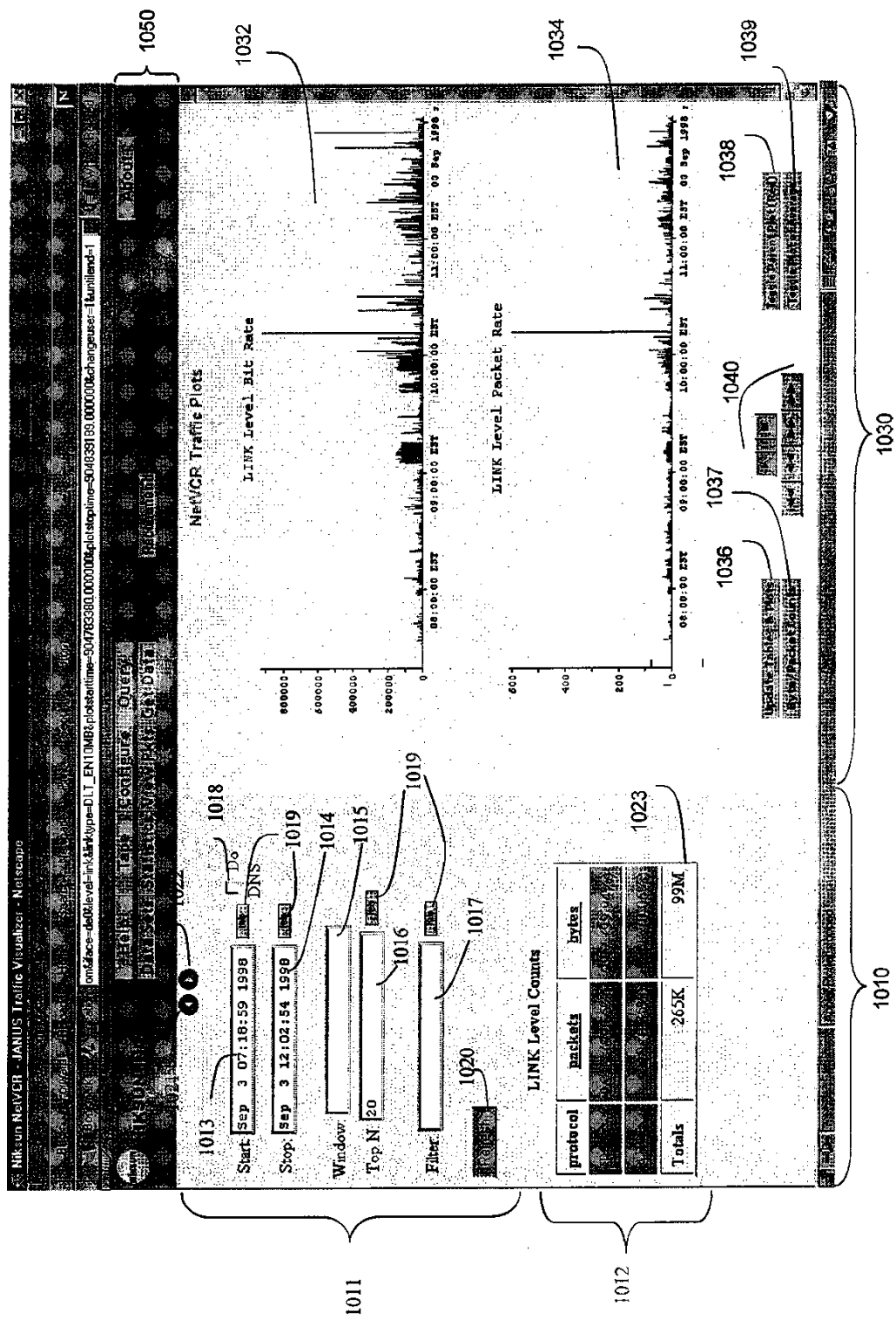


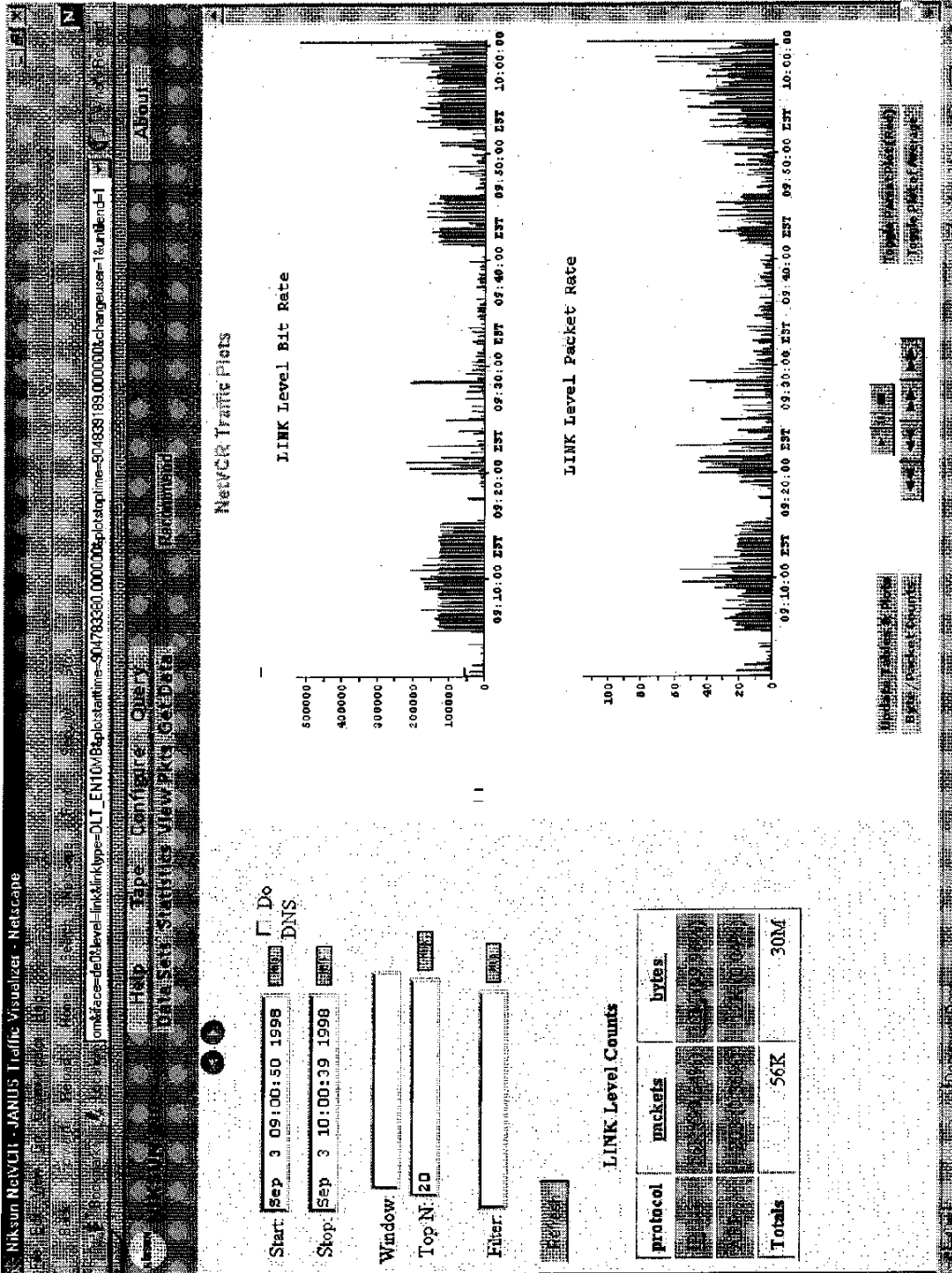


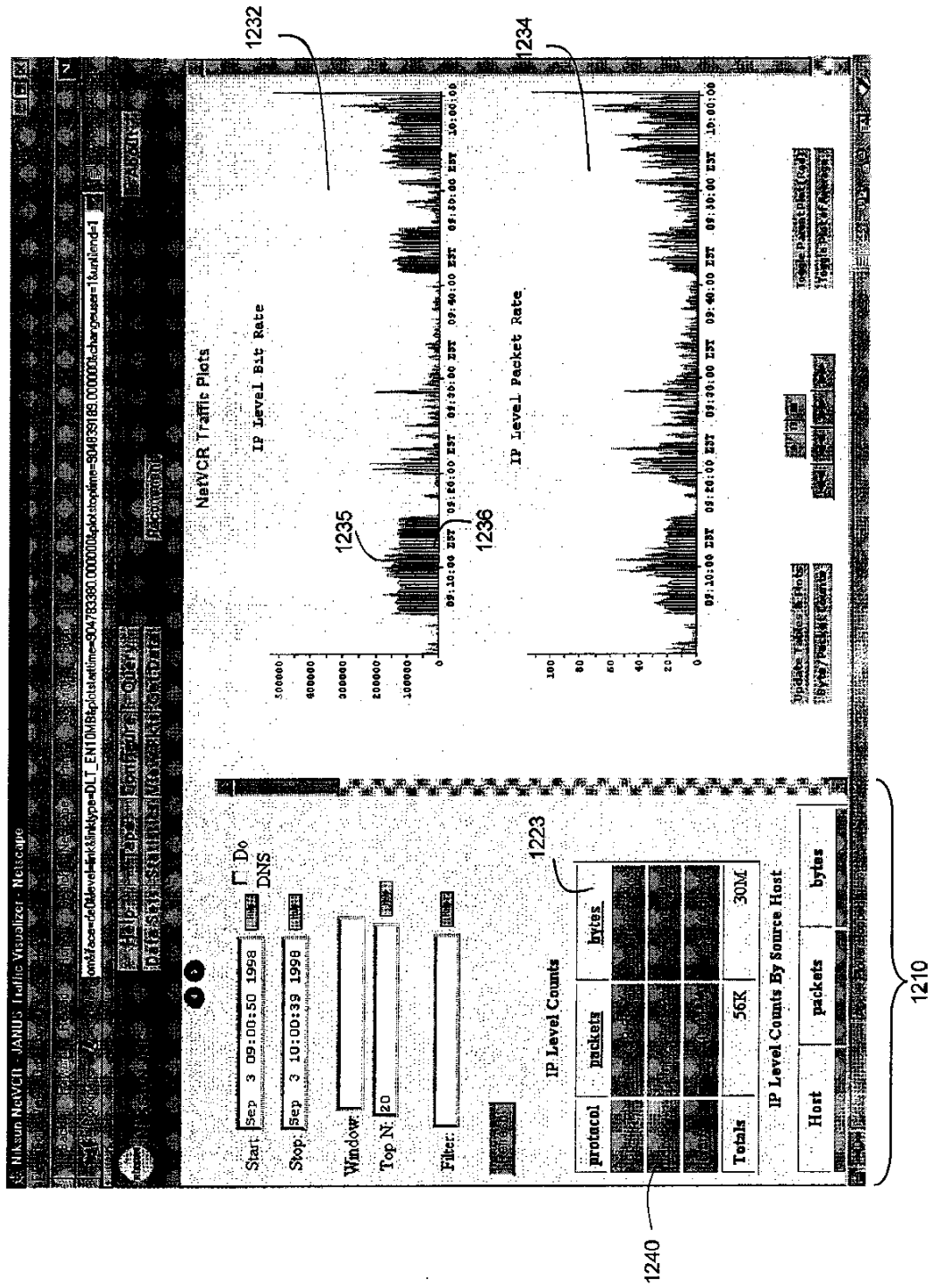


(A)

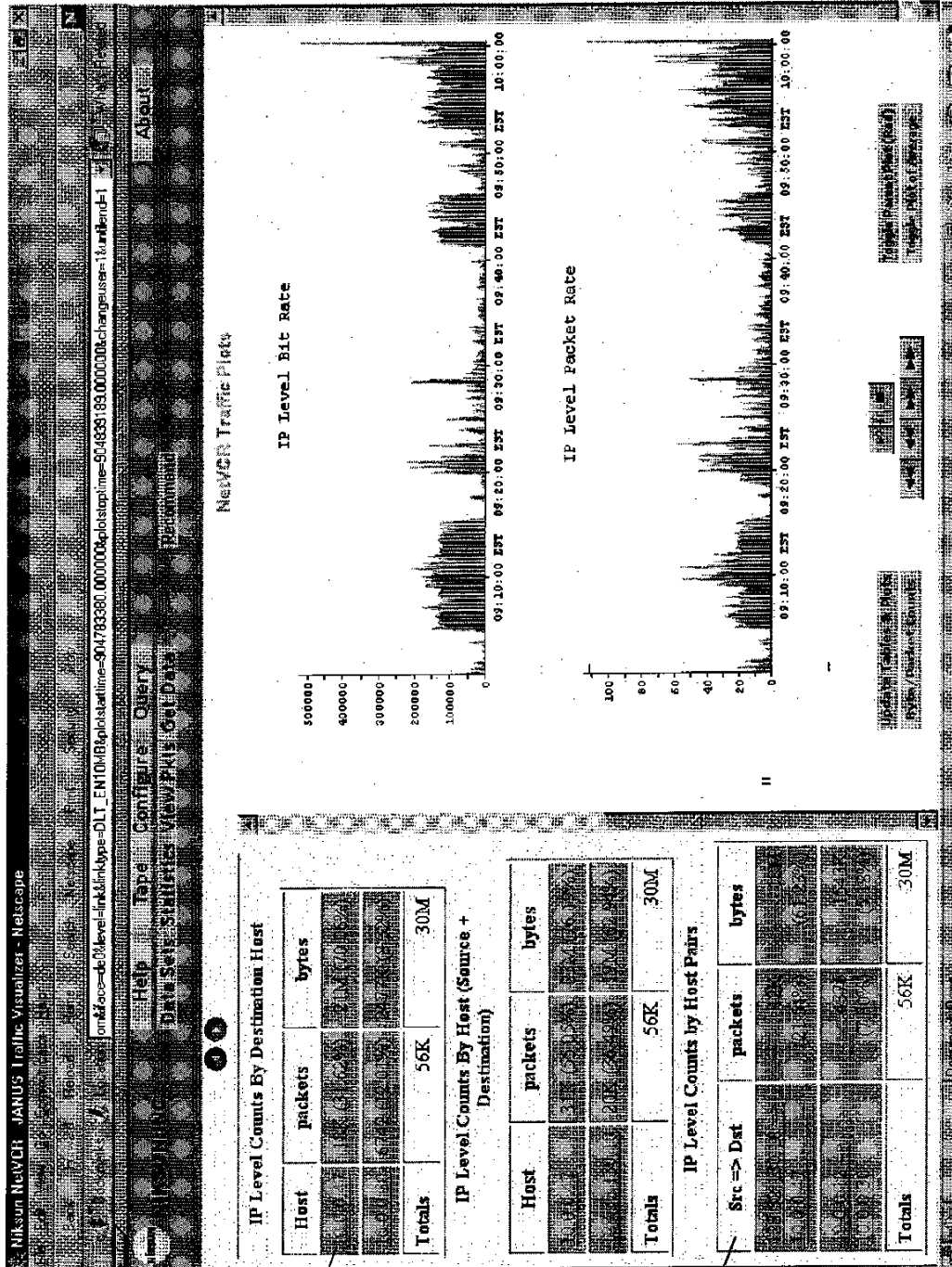
(B)







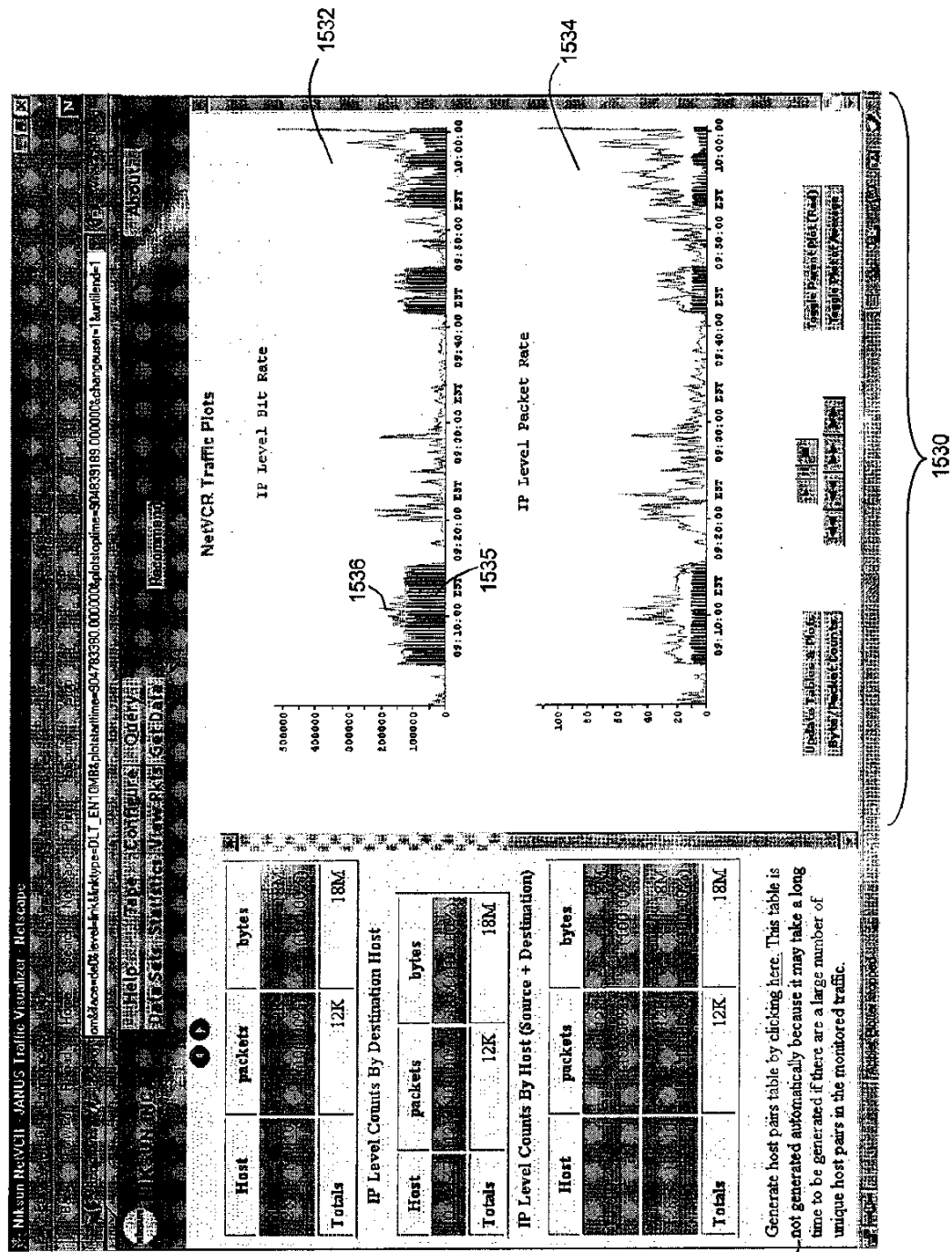
[illegible]

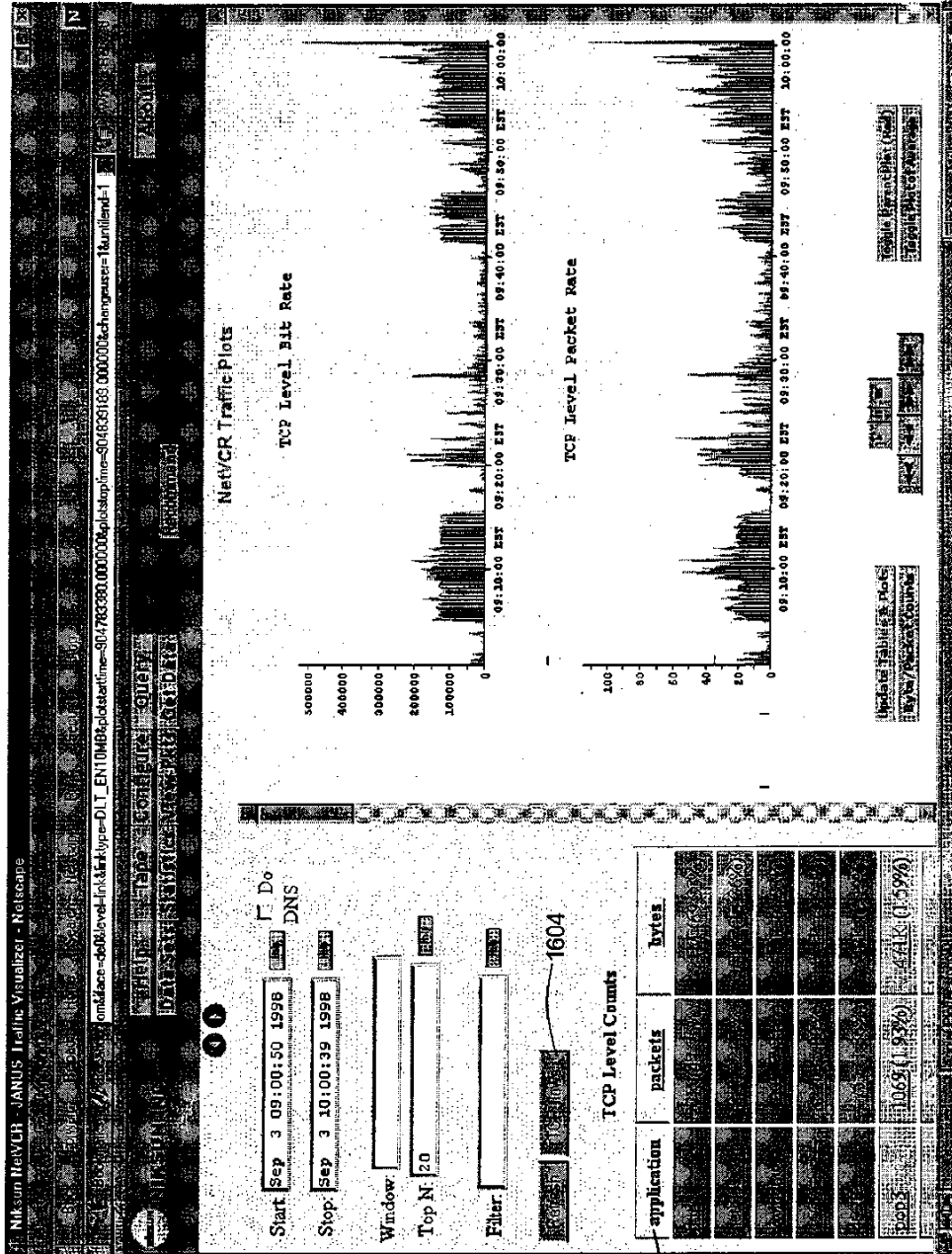


1404

1402

(このテーブルは自動生成されない。その理由は、多数の固有ホスト・ペアがモニタされたトラフィック中に存在する場合に長い時間かかるからである。)





二

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Host	packets	bytes
Totals	56K	30M

TCP Level Counts by Host Pairs

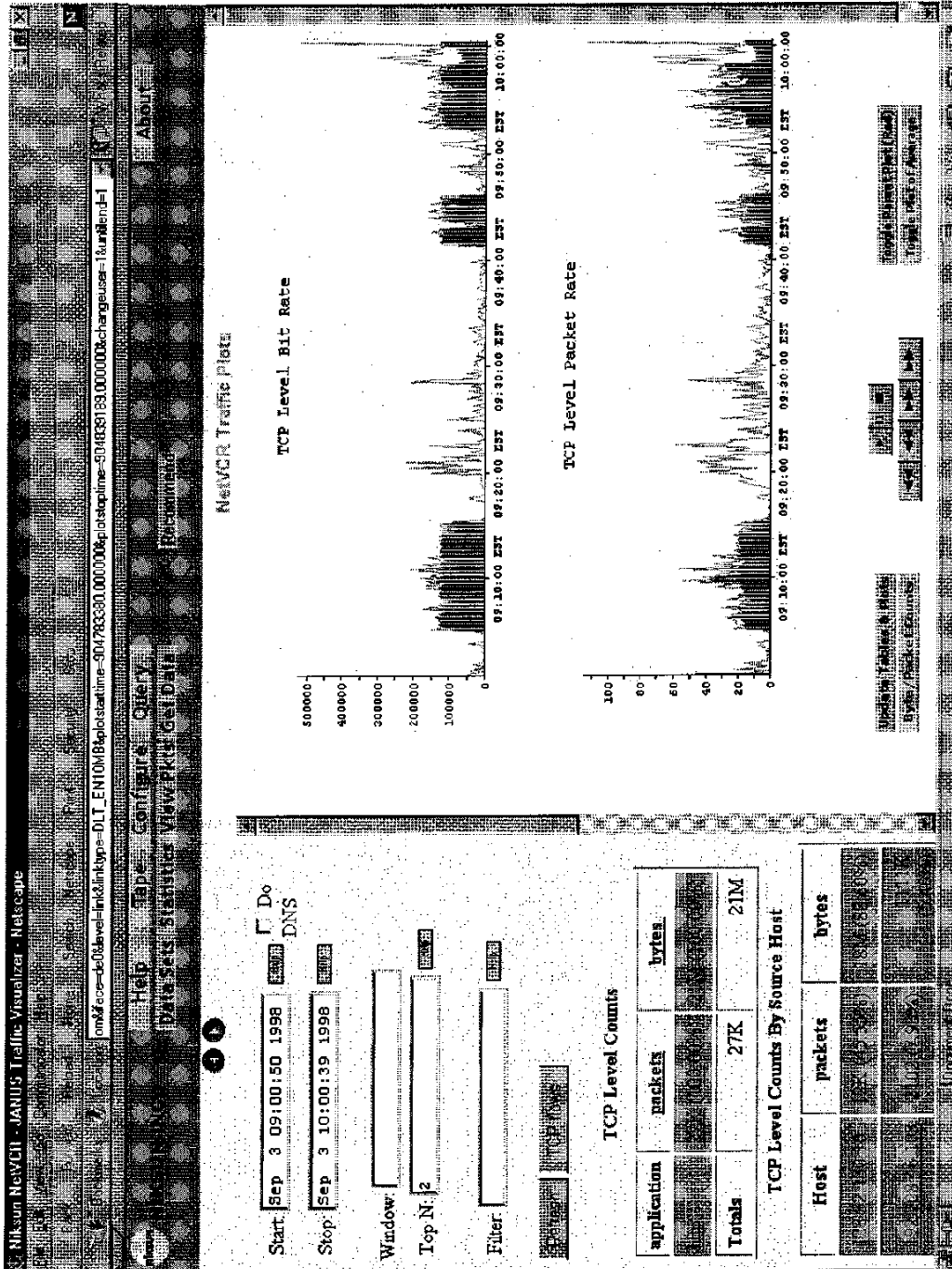
Src => Dst	packets	bytes
Totals	56K	30M

Troubled TCP Clients

Client	No. Of Connections	TCP data bytes	TCP goodput (Bytes/Sec)	TCP throughput (Bytes/Sec)	Avg RTT	Avg Response	Retransmit %
Totals	377						

Troubled TCP Servers

Server	No. Of Connections	TCP data bytes	TCP goodput	TCP throughput	Avg RTT	Avg Response	Retransmit %
Totals	377						



Host	packets	bytes
Totals	27K	21M

TCP Level Counts by Host Pairs

Src => Dst	packets	bytes
Totals	27K	21M

Troubled WWW Servers

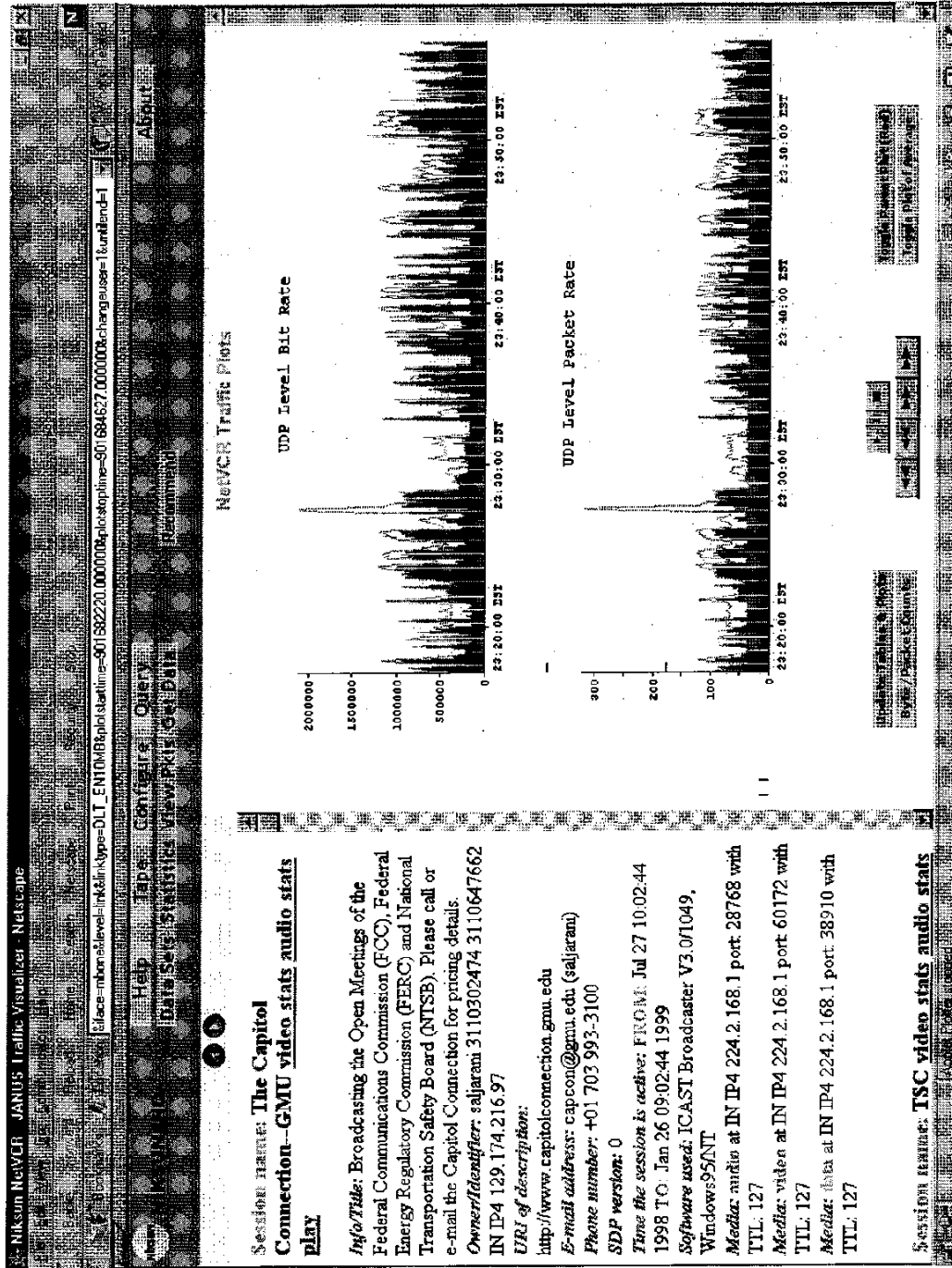
Server	Total Connections	# Aborted connections by Server	Total bytes by Server	Wasted bytes by Server
Totals	258	9	18984744	32702

2102

Troubled WWW Clients

Client	Total Connections	# Aborted connections by Client	Total bytes by Client	Wasted bytes by Client
Totals	258	9	18984744	32702

2102



NIKUNJAN'S NEW OR PRACTIC DIMP for interface deb from stgl.aksun.com

DATE-TIME: 05:00:50 1998 Sep 3

THE

Sep 3 10:00:39 1998

Net/Broadcast Address to Name

Print Link Level Headers

Don't Convert Address

Quick Dump

Light Absorber TC

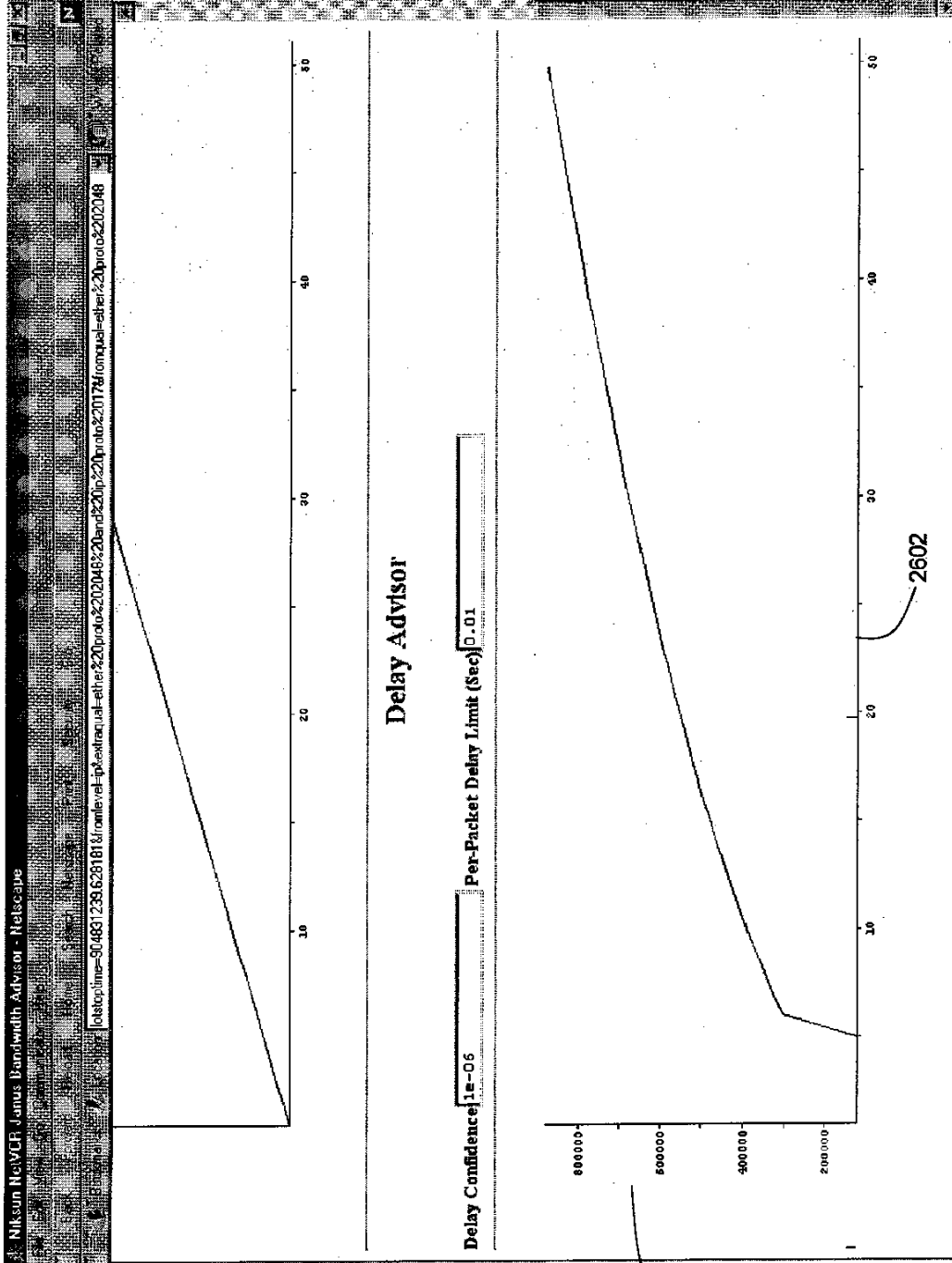
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FOR THE FUTURE OF THE WORLD

[illegible]



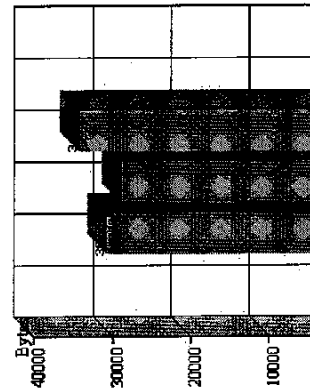
92:3A:00:23:45:02:20:1998: user@plm: Sep 3 20:20:32 2010: 3400: 3439: 201998: op: window=stop, re=20: use=quit & do=ts=1: what=statistics

Niksun NetVCR JANUS Statistics

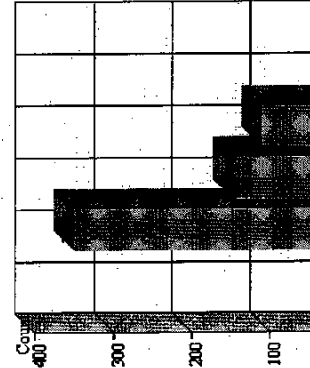
Statistics Start Time Sep 3 09:00:50 1998
 Statistics End Time Sep 3 10:00:39 1998
 Recorder stlegl.niksun.com
 Interface de0
 Protocol Layer Name UDP

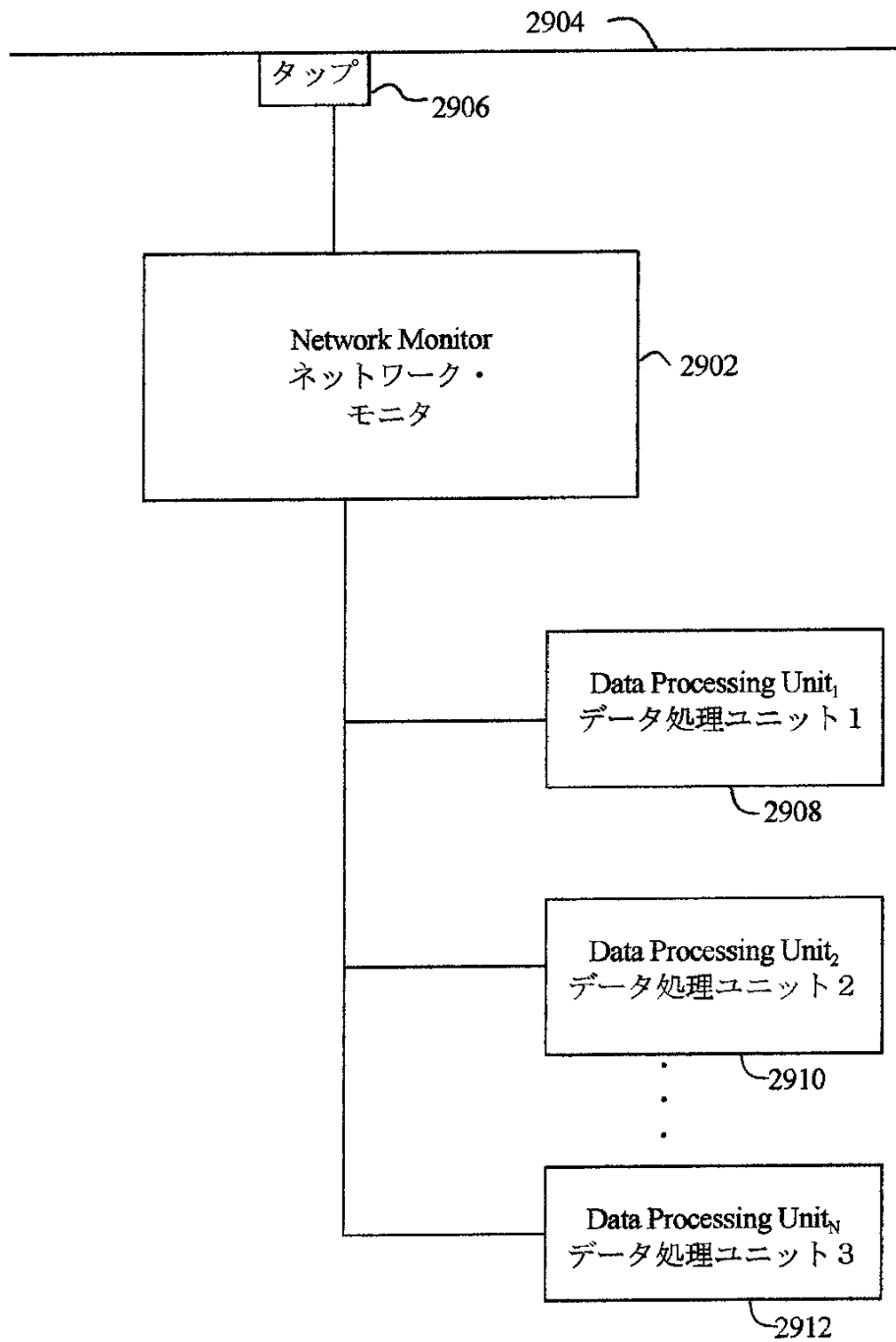
Total number of Bytes: 95186 bytes	Total number of Packets: 616 packets
Average Rate In Bits/Sec: 212.17 bps	Average Rate In Packets/Sec: 0.17 pps
Minimum Packet Size: 60 bytes	Mean Packet Size: 154.52 bytes
Maximum Packet Size: 538 bytes	Packet Size Variance: 9072.80 bytes^2
	Variance/Mean: 58.72 bytes

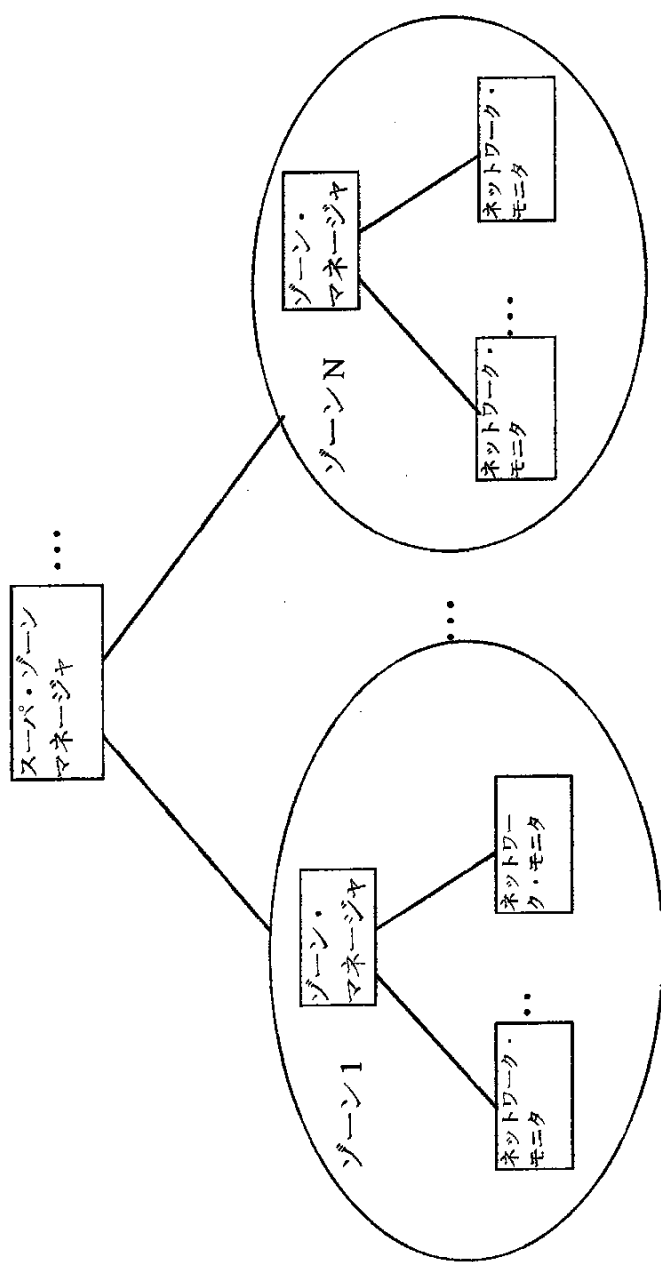
NO. OF BYTES vs PACKET SIZE

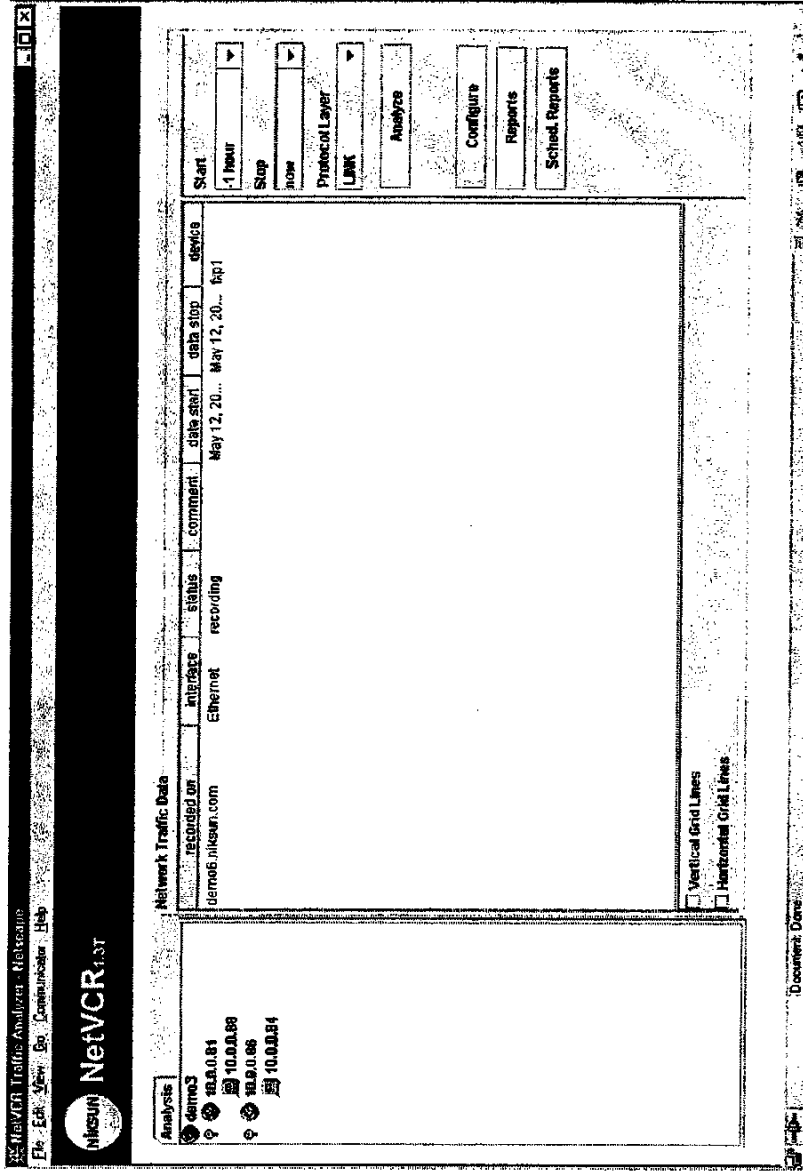


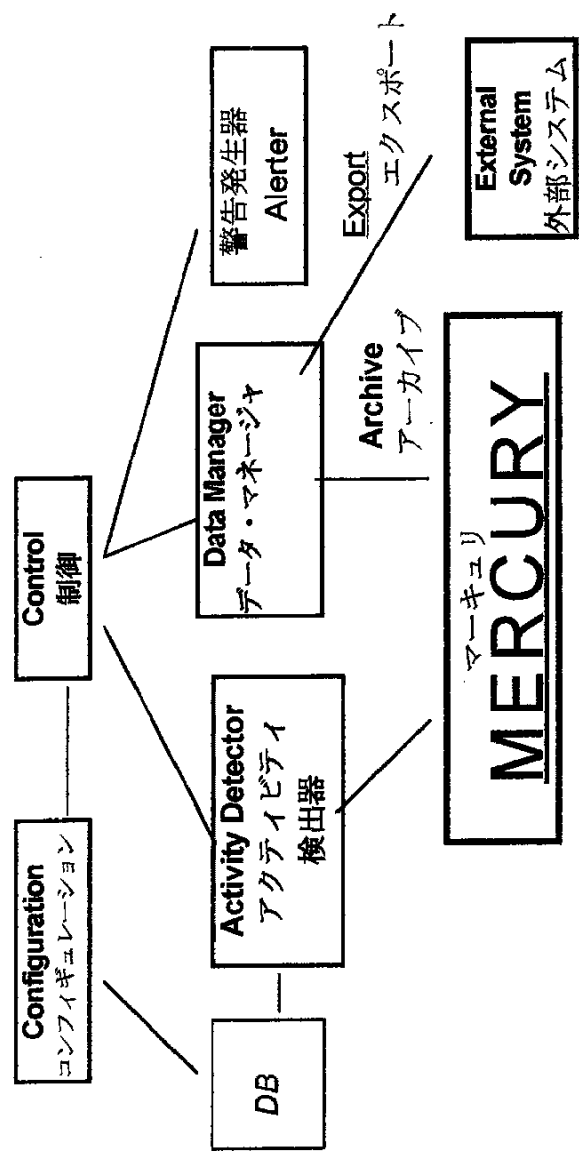
NO. OF PACKETS vs PACKET SIZE











INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/15601

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/16
US CL : 709/224, 246

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 345/440; 709/224, 231, 246; 713/201; 714/26;

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

search terms: analyzer, monitor, probe, classify?, filter?, performance, report?

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,615,323 A (ENGEL et al.) 25 March 1997, abstract, especially col. 3, line 55 - col. 4, line 45	17-18
X ----- Y	US 5,787,253 A (MCCRERY et al.) 28 July 1998, abstract, especially col. 4, line 34 - col. 7, line 6, col. 8, line 1-35, col. 9, line 21- col. 10, line 50	1-3, 6-16 ----- 4-5
Y	US 5,991,881 A (CONKLIN et al.) 23 November 1999, abstract, especially col. 4	4-5
X, P	US 6,085,243 A (FLETCHER et al.) 4 July 2000, abstract, especially col. 7, lines 58-64, col. 12, lines 6-22	17-18

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claims or which is cited to establish the publication date of another citation or other special reason (as specified)	"G" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

06 AUGUST 2001

Date of mailing of the international search report

29 AUG 2001

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
Facsimile No. (703) 306-3230

Authorized officer

PATRICE WINDE

James R. Matthews

Telephone No. (703) 305-3938

INTERNATIONAL SEARCH REPORT

Int. application No.
PCT/US01/15601

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,850,386 A (ANDERSON et al.) 15 December 1998, abstract, especially Fig. 7, col. 16, line 52 - col. 17, line 64	1-16

